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* * MFH..... .VSFRYIFGL PPLILVLLPV ASSDCDIEGK DCKQYESVLM IL-7sheep MFH..... .VSFRYIFGI PPLILVLLPV ASSDCDFSGK DGGAYQNVL IL-7bovin MFH..... .VSFRYIFGI PPLILVLLPV ASSDCDISGK DGGAYQNVL IL-7mouse MFH..... .VSFRYIFGI PPLILVLLPV TSSECHIKDK ECKAYESVLM IL-7 rat MFH..... .VSFRYIFGI PPLILVLLPV TSSDCHIKDK DGKAFIGSVLM ILB50human MFPFALLVYL SVSERKIFIL QLVGLVLT.Y DFTNCDFE.K IKAAYLSTIS	* * * * * * * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *
	-----					
	helix A					
IL-7human VSIDQLLDSM KEIGSNCNN EFNFEEKRHC DANKEGMFLF RAARKLRLQFL IL-7sheep VSIDDL.DNM INFDSNCNN EPNFEKKHSC DDNKEASFNL RAARKLKQFL IL-7bovin VNIDDL.DNM INFDSNCNN EPNFEKKHSC DDNKEASFNL RAARKLKQFL IL-7mouse ISIDEL.DKM TGTDSNCPPN EPNFERKHVC DDTKEAAFLN RAARKLKQFL IL-7 rat ISINQL.DKM TGTDSDCPNN EPNFEKKHL C DDTKEAAFLN RAARKLRLQFL ILB50human KDLITY...M SGTKSTEFFNN TVSCSNRPHC LTIQSLTFN PTAGCASLAK	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *	* * * * * * * * * *
	-----					
	strand 1 helix B					

FIG. 1A

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\* \* \* \* \*

IL-7 human	KMN <u>S</u> TGDFDL	HLLKVSEGTT	ILL <u>N</u> CTGQVK	GRKPAALGEA	OPTKSLEENK
IL-7 sheep	KMN <u>I</u> SDDFKL	HLSTVSQGTL	TLL <u>N</u> CTS <u>G</u> K	GRKPPSLGEA	OPTKNLEENK
IL-7 bovin	KMN <u>I</u> SDDFKL	HLSTVSQGTL	TLL <u>N</u> CTS <u>G</u> K	GRKPPSLSEA	OPTKNLEENK
IL-7 mouse	KMN <u>I</u> SEE <u>F</u> NV	HLLTVSOGTO	TLV <u>N</u> CTSK..	.....EEK	.....EEK
IL-7 rat	KMN <u>I</u> SEE <u>F</u> ND	HLLRVSDGTQ	TLV <u>N</u> CTSK..	.....EEK	.....EEK
ILB50 human	EMFAMKTCAA	LAIWCPGYSE	TQINATQA..	.....MK	.....MK

-----

helix C

-----

IL-7 human	SLKEQQKKLND	LCFLKRLLQE	IKT <u>C</u> WNKILM	GTKEH
IL-7 sheep	SLKEQRKQND	LCFLKILLQK	IKT <u>C</u> WNKILR	GITEH
IL-7 bovin	SSKEQQKKQND	LCFLKILLQK	IKT <u>C</u> WNKILR	GIKEH
IL-7 mouse	NVKEQQKK.ND	ACFLKRLLRE	IKT <u>C</u> WNKILK	GSI..
IL-7 rat	TIKEQQKK.ND	PCFLKRLLRE	IKT <u>C</u> WNKILK	GSI..
ILB50 human	KRRRKRVTTN	KCLEQVSQLQ	GLWRRRNRL	LKQQ.

-----

strands 2 helix D

^ ^ - - - - -

FIG. 1B

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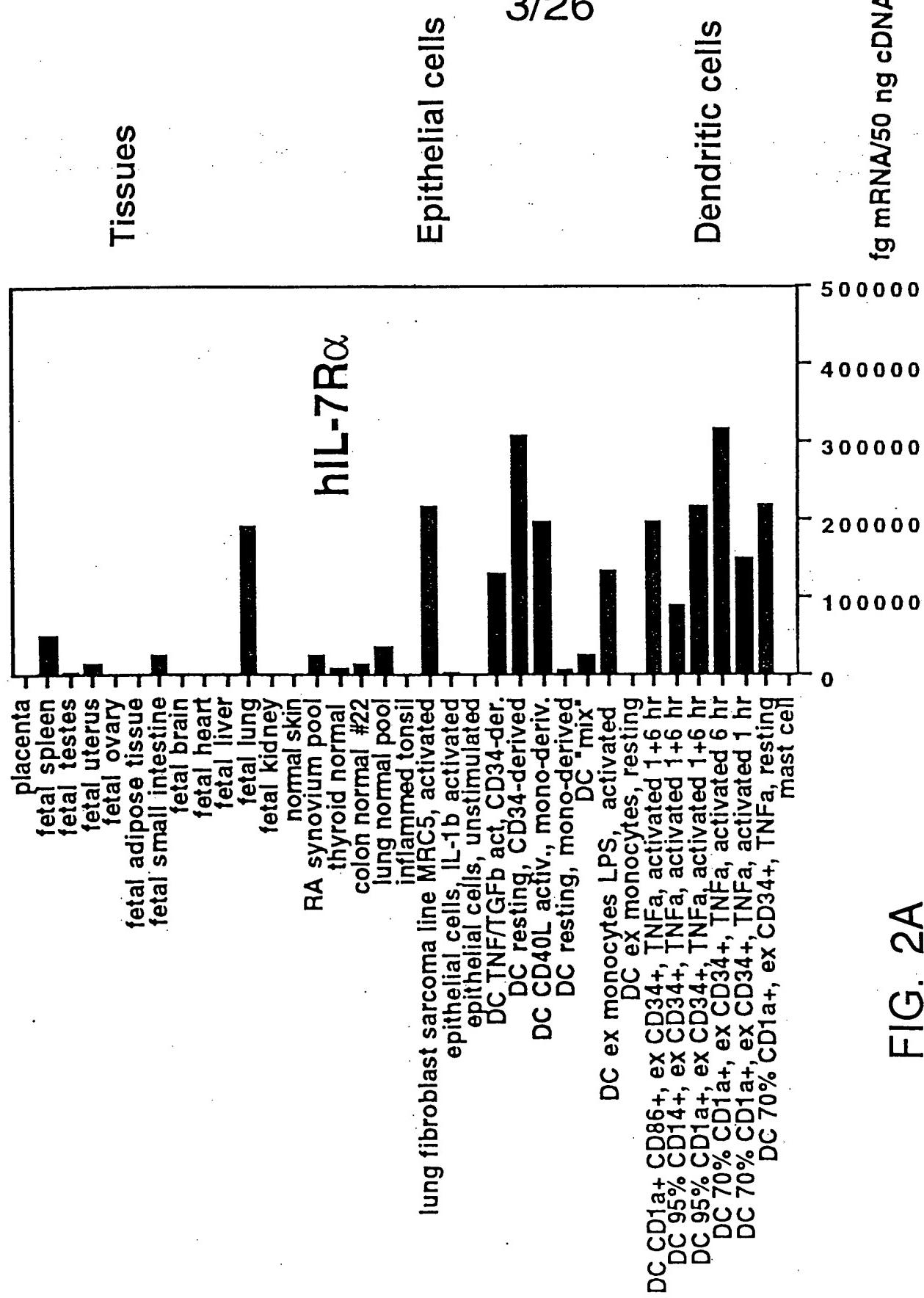


FIG. 2A

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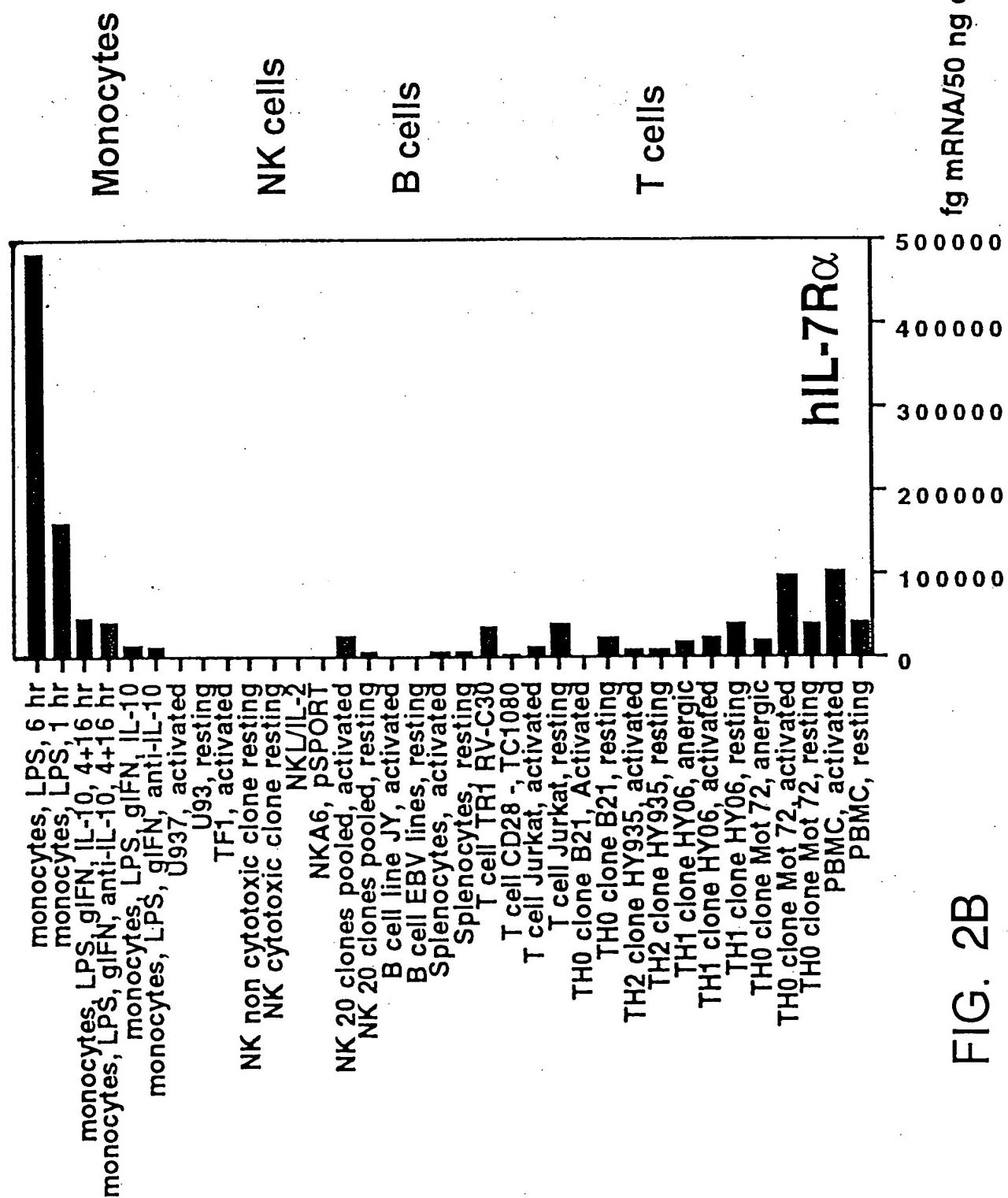
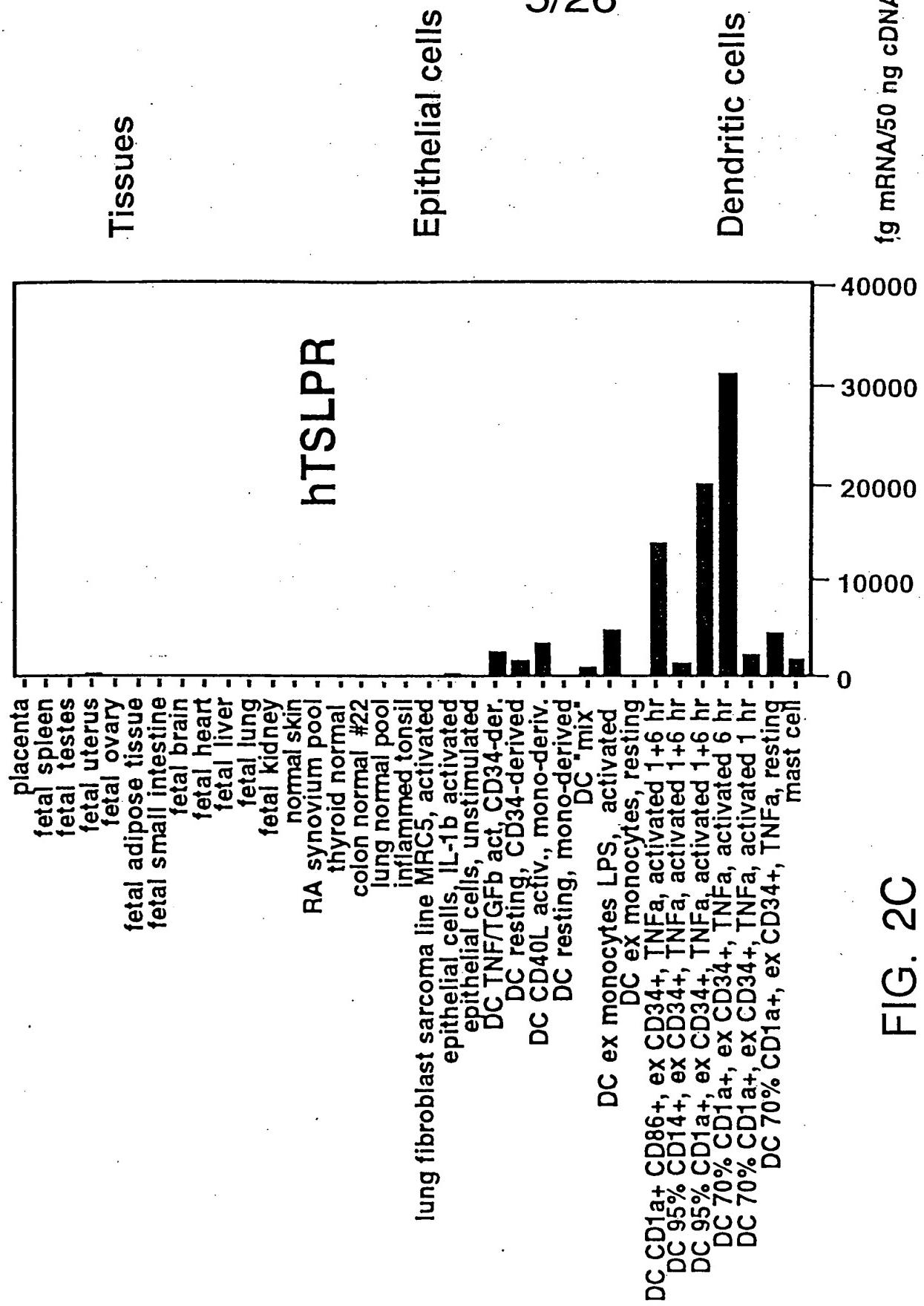


FIG. 2B

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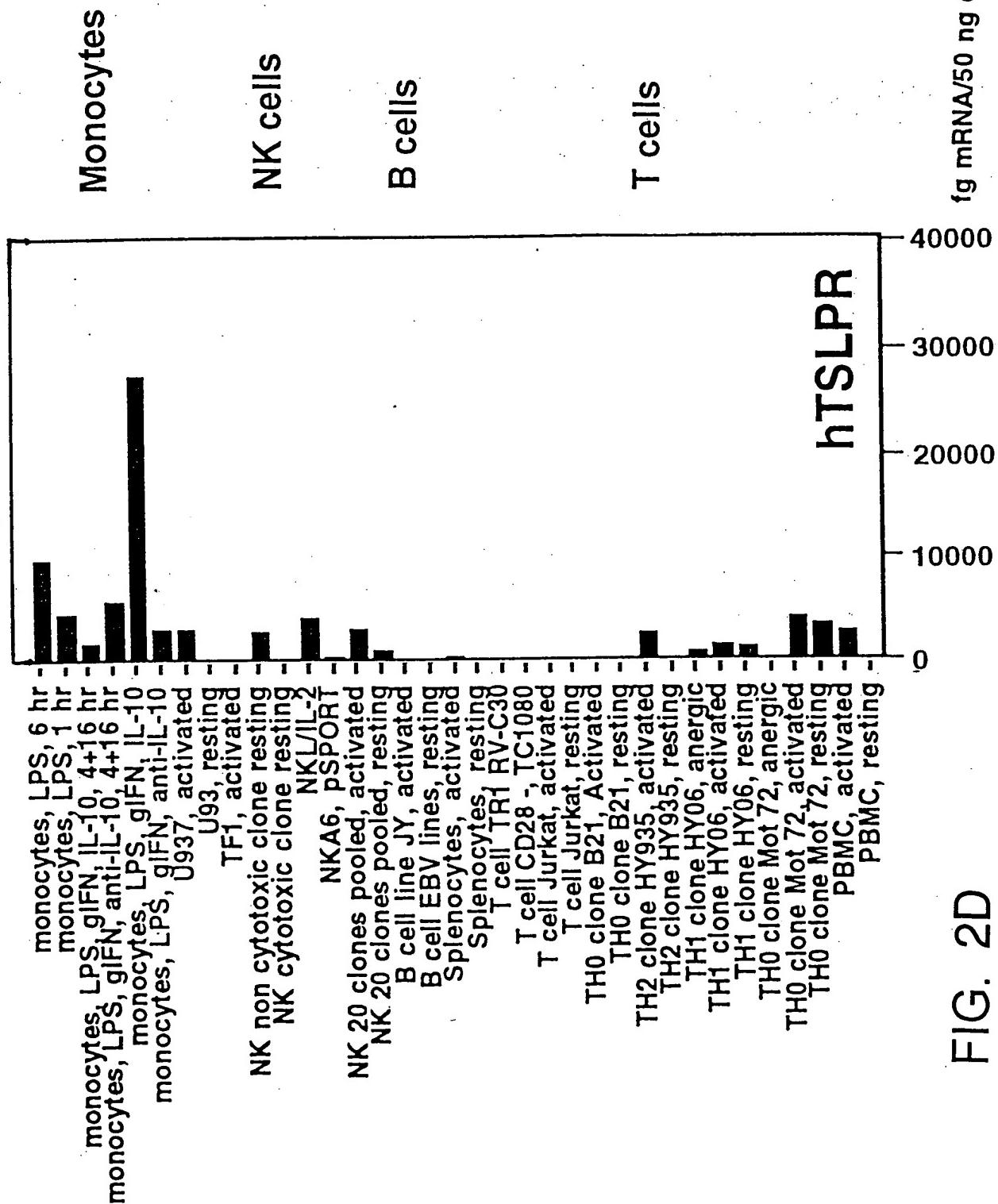


FIG. 2D

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IL50 mRNA (fg/50ng)

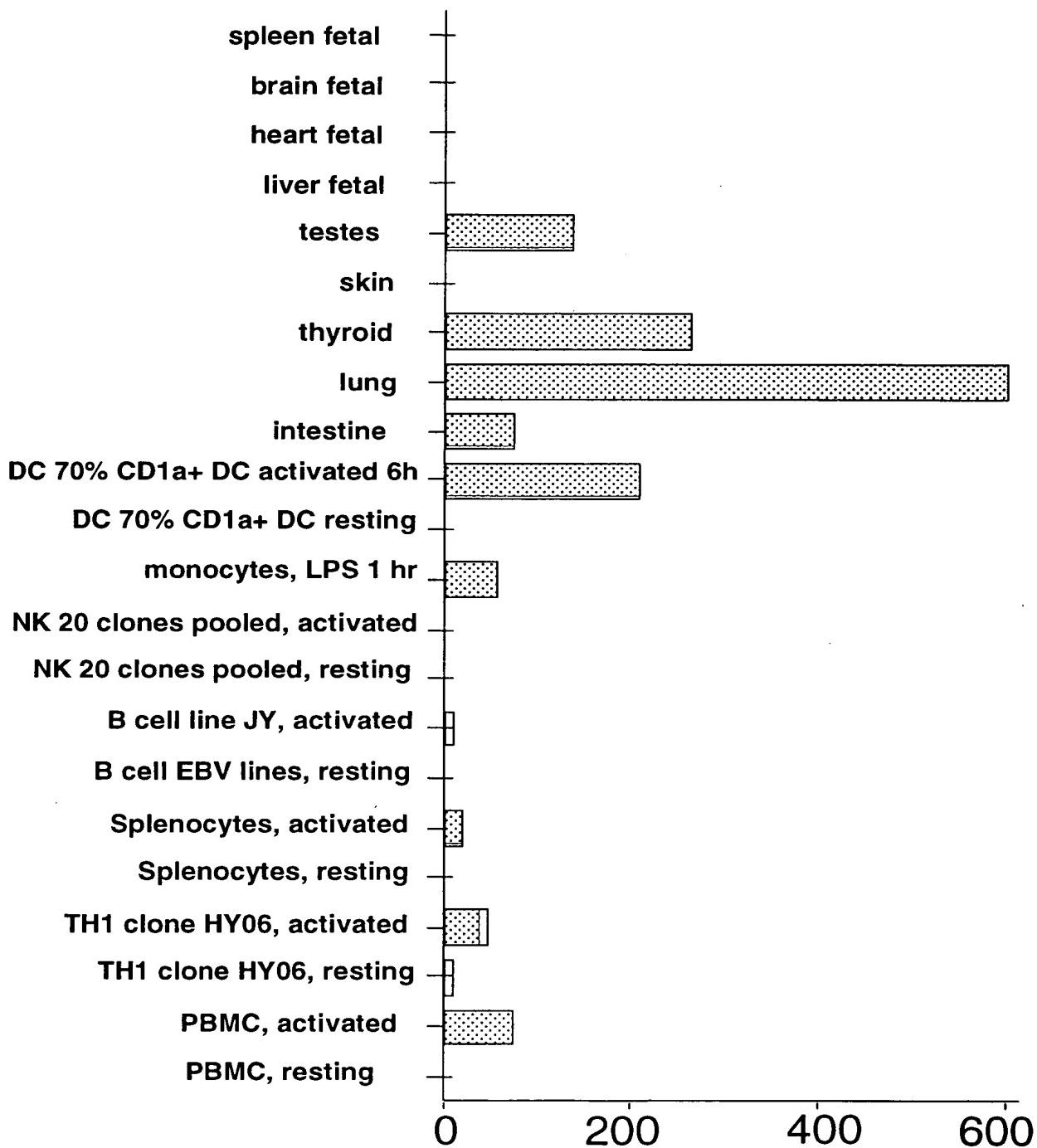


FIG. 2E

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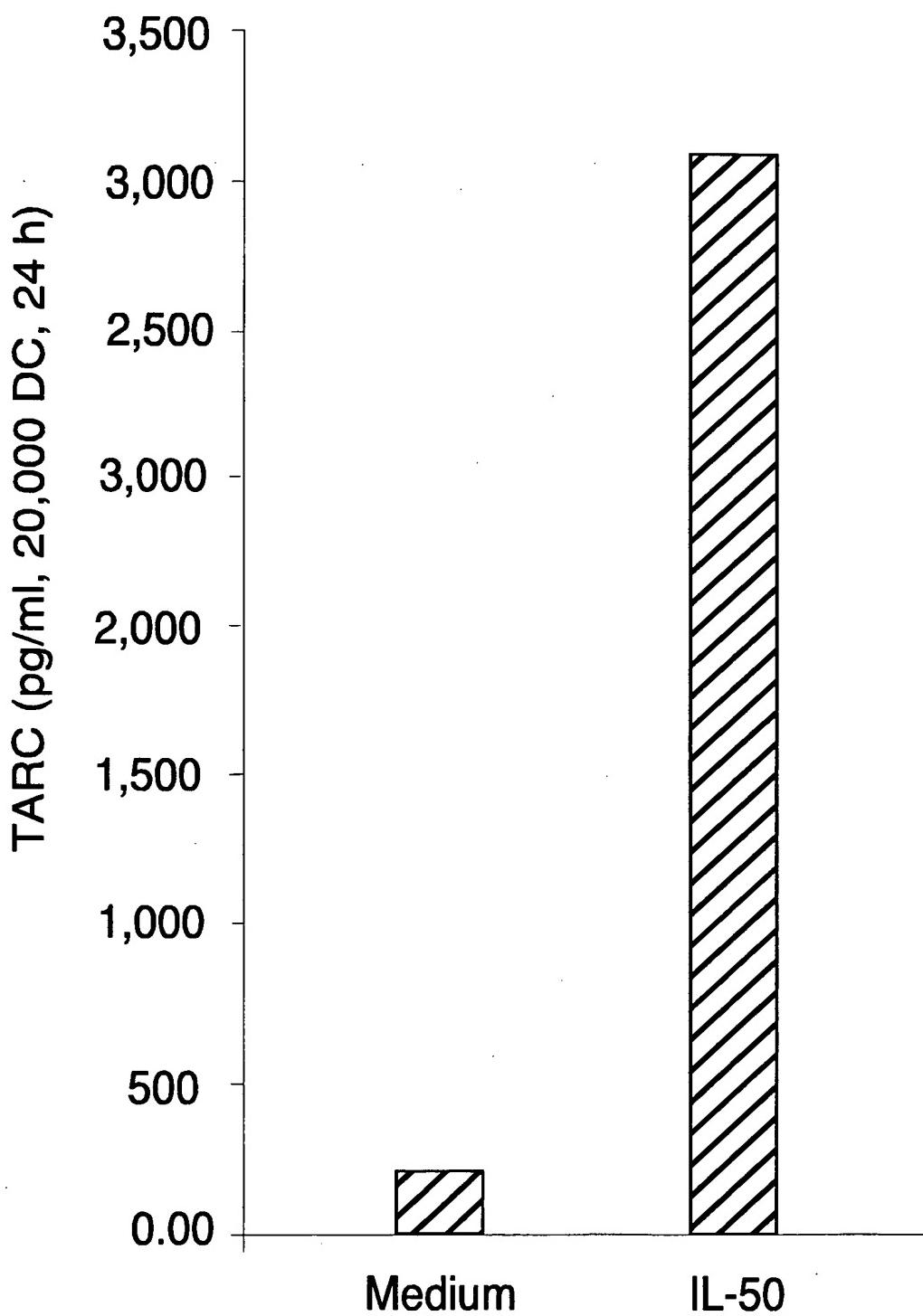


FIG. 3

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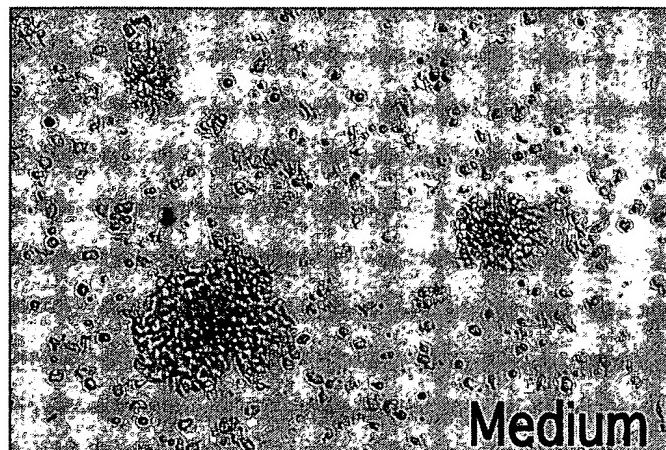


FIG. 4A

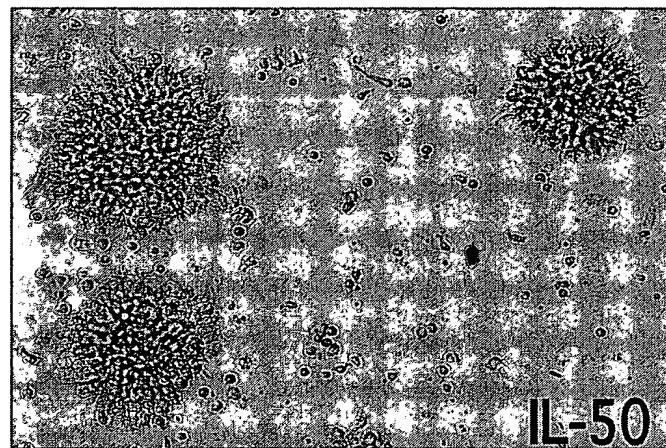


FIG. 4B

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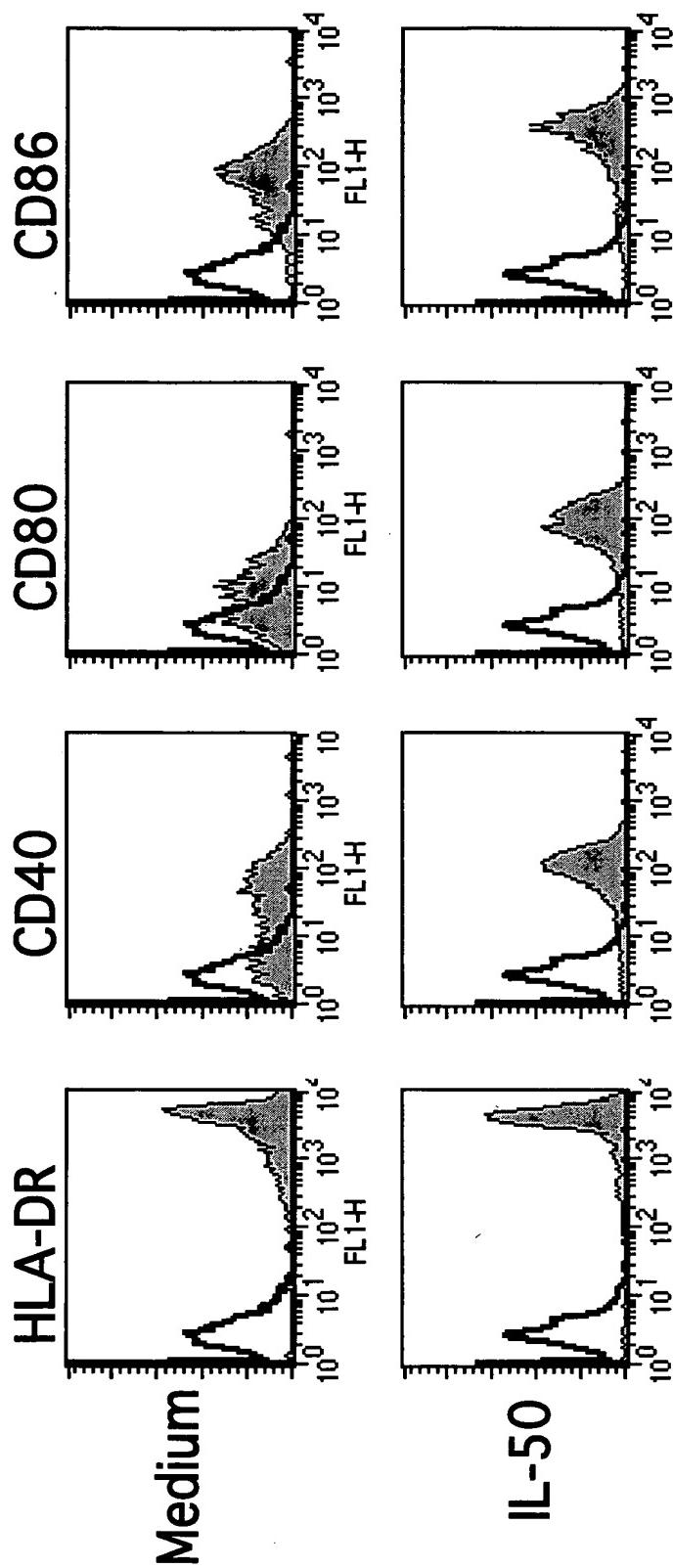


FIG. 5

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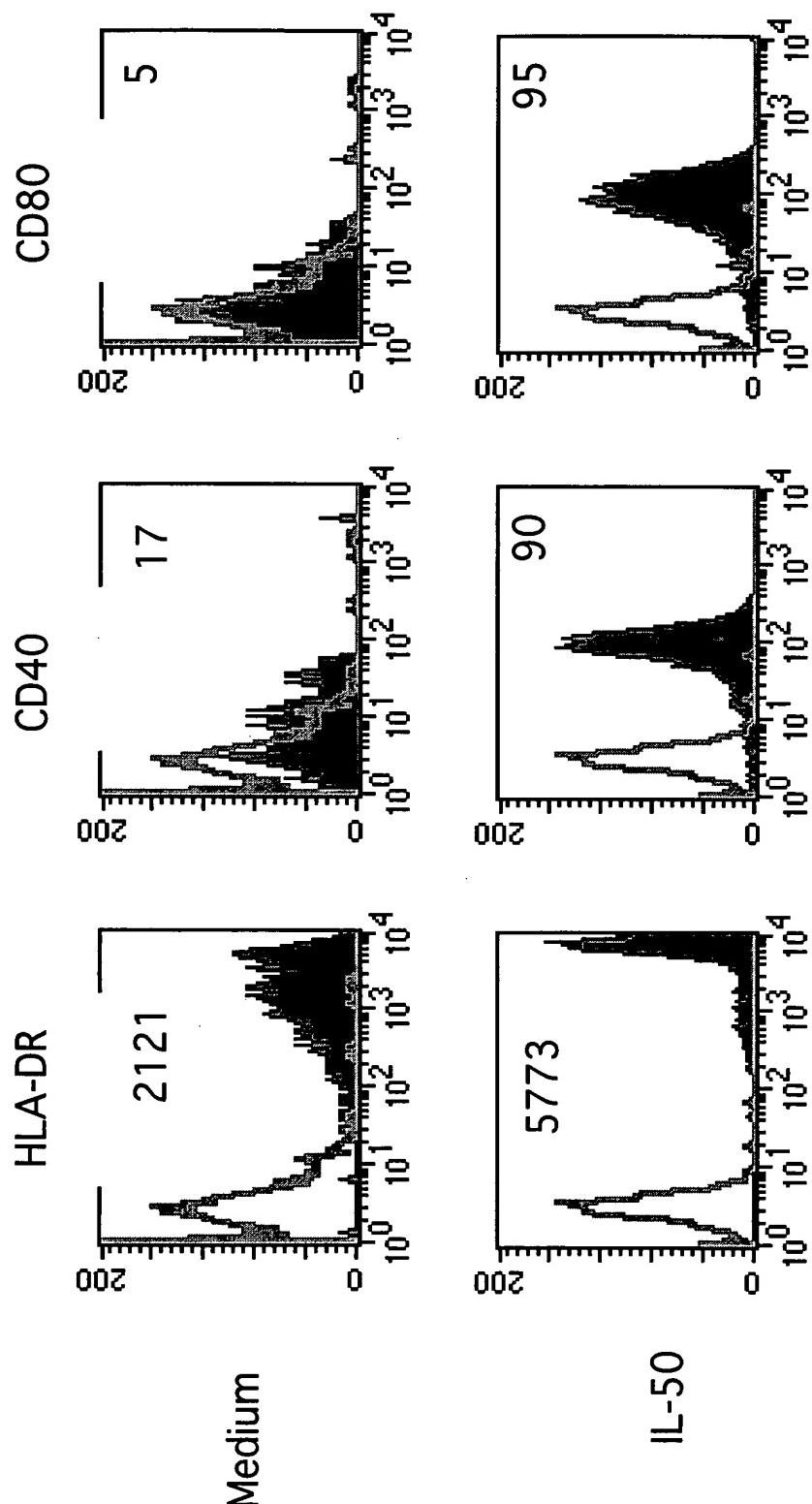


FIG. 6A

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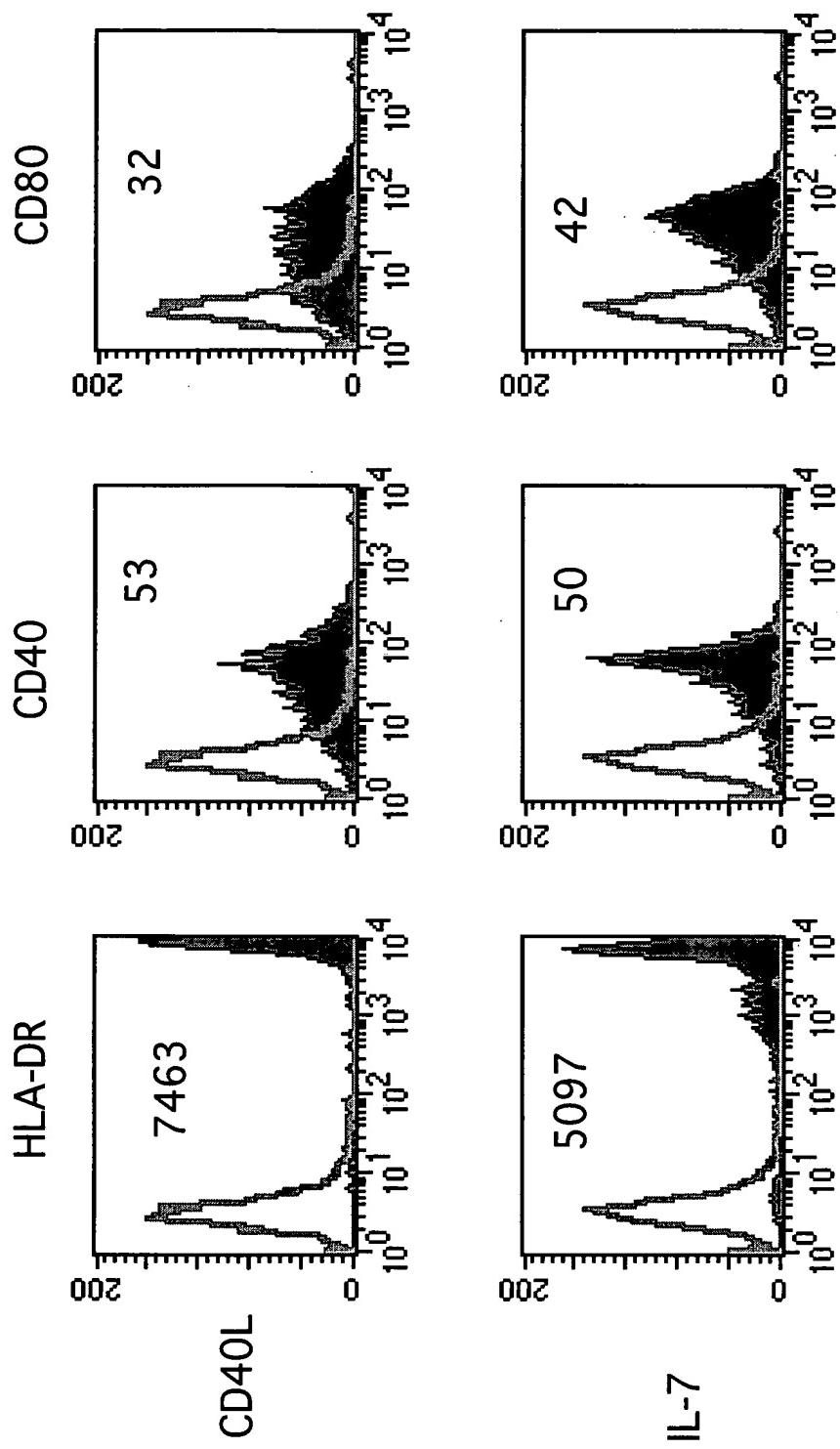


FIG. 6B

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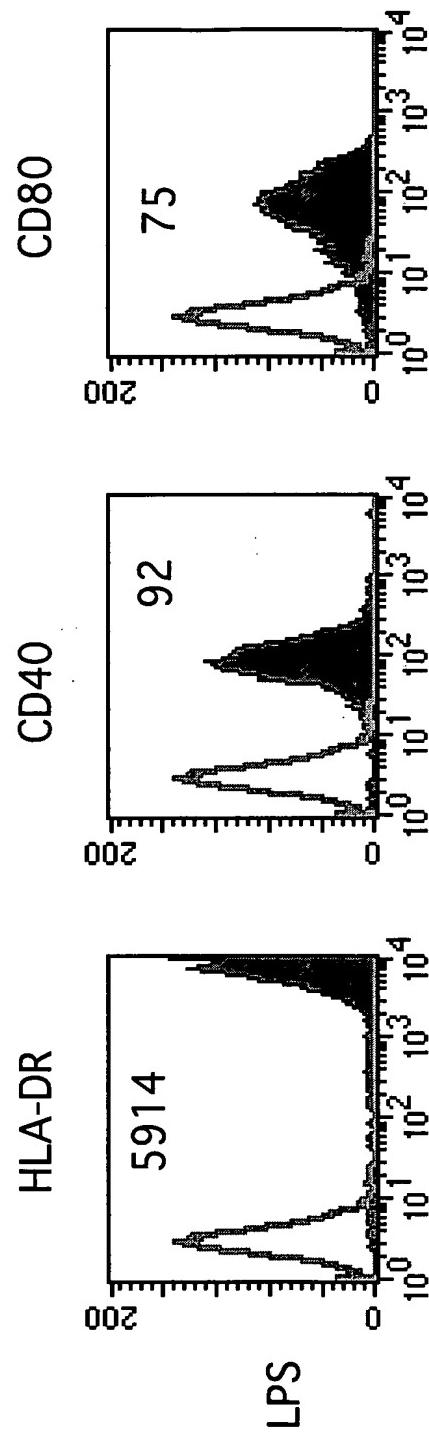


FIG. 6C

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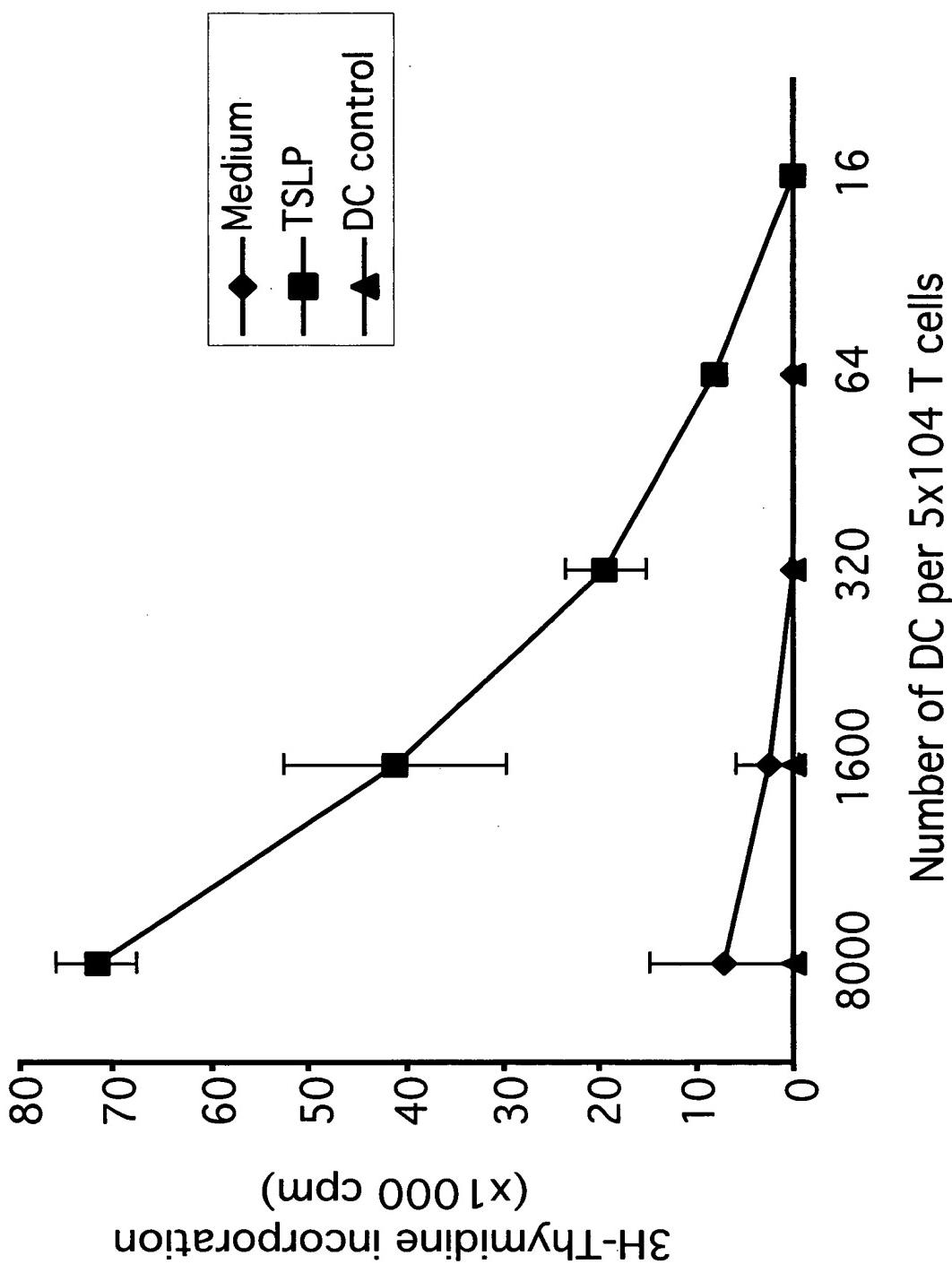


FIG. 7

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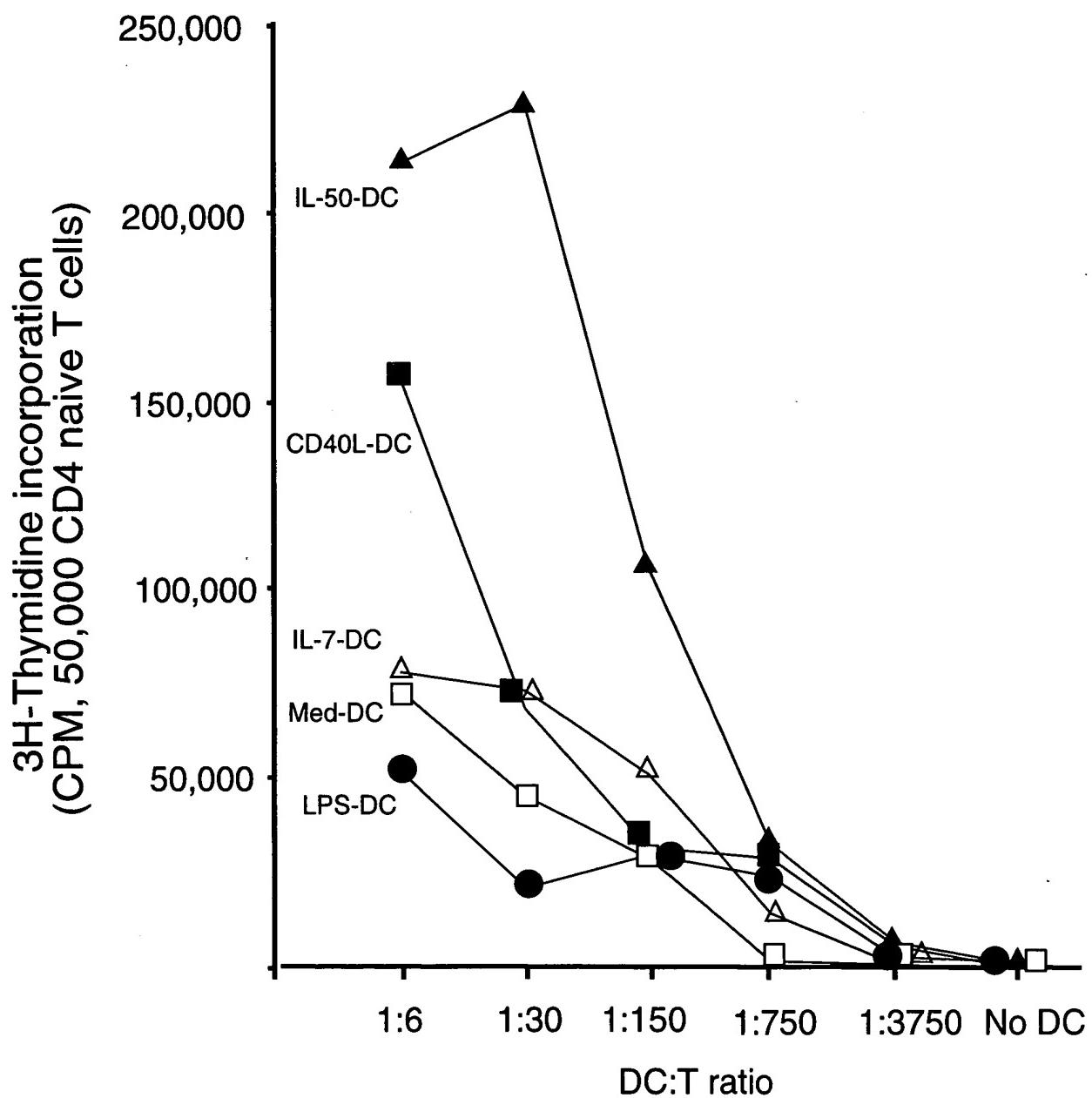


FIG. 8

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IL-4

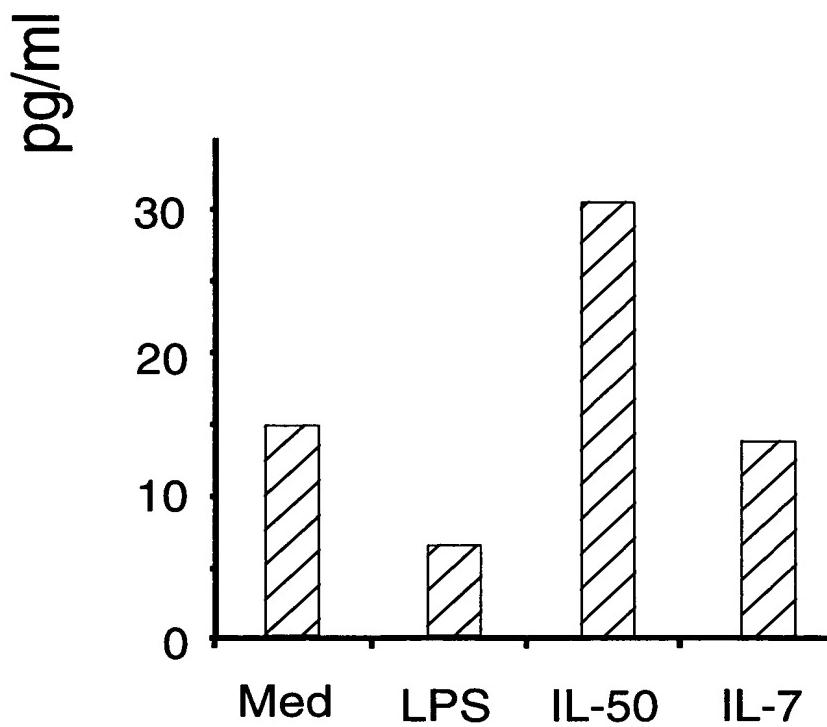
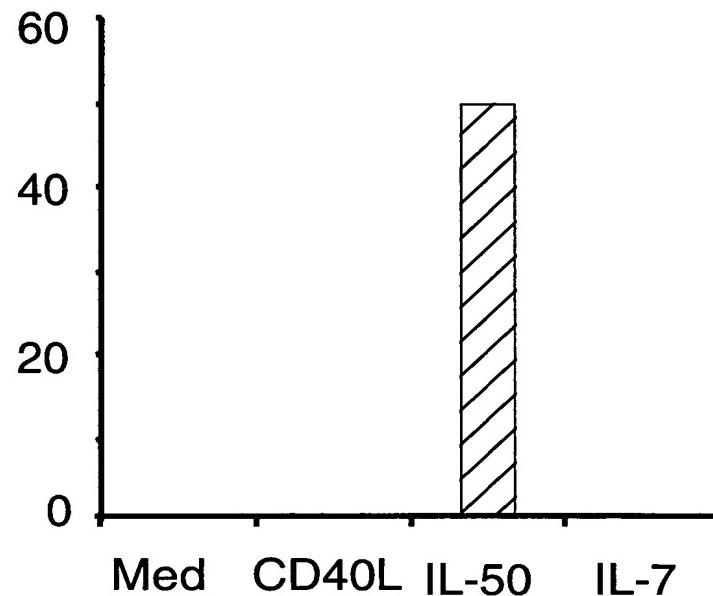


FIG. 9A

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IL-13

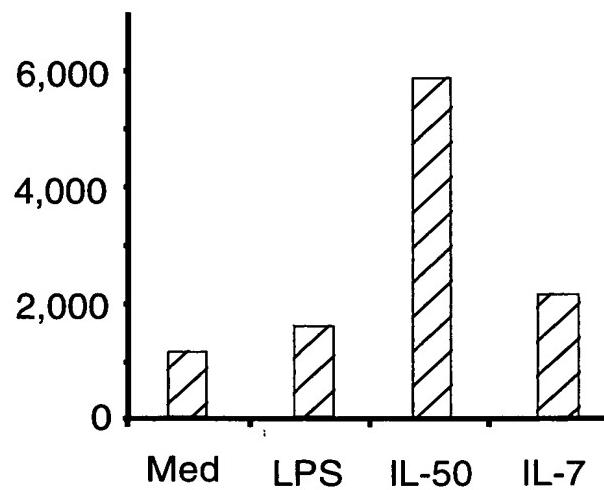
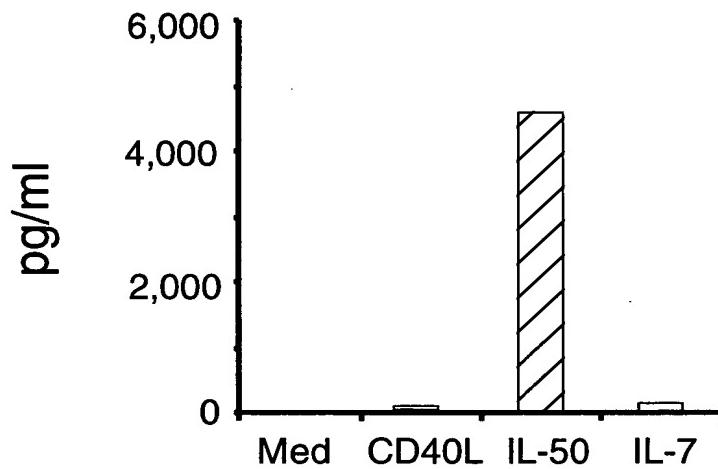
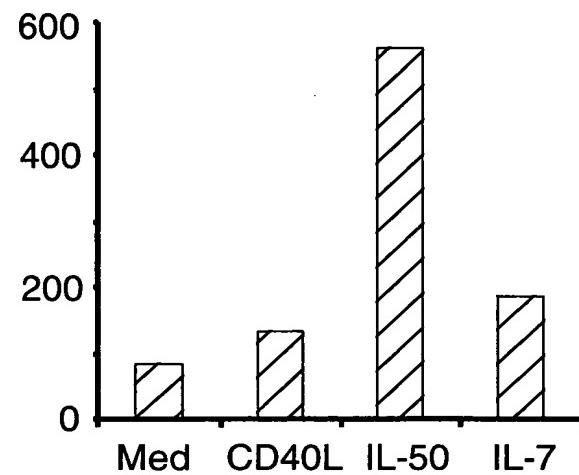


FIG. 9B

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IFN- $\gamma$

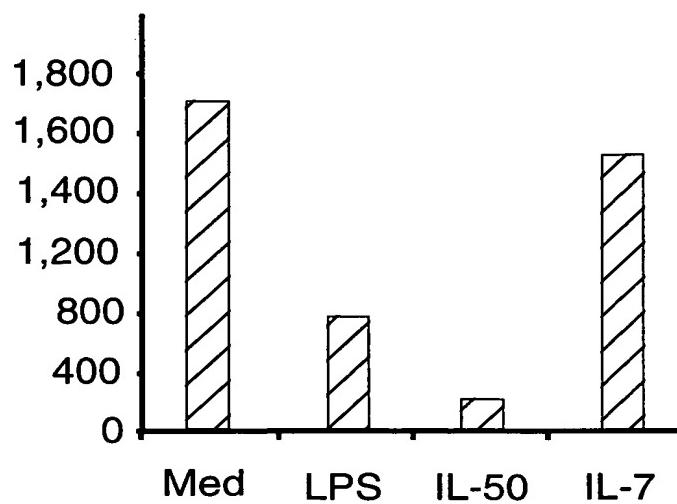
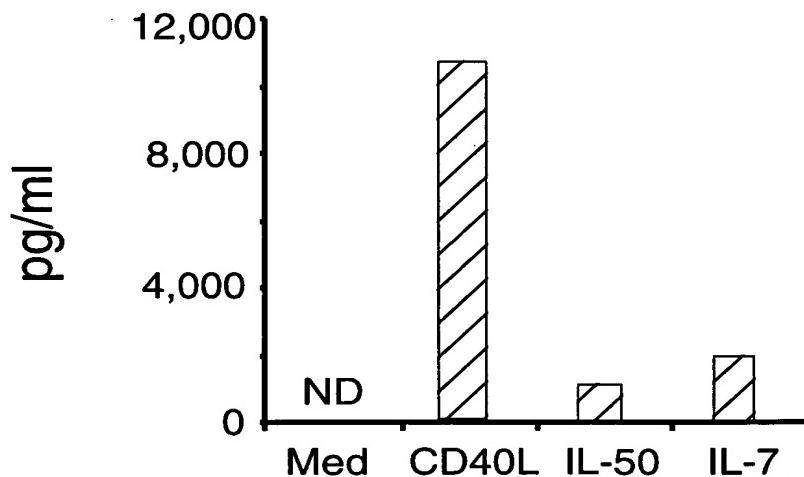
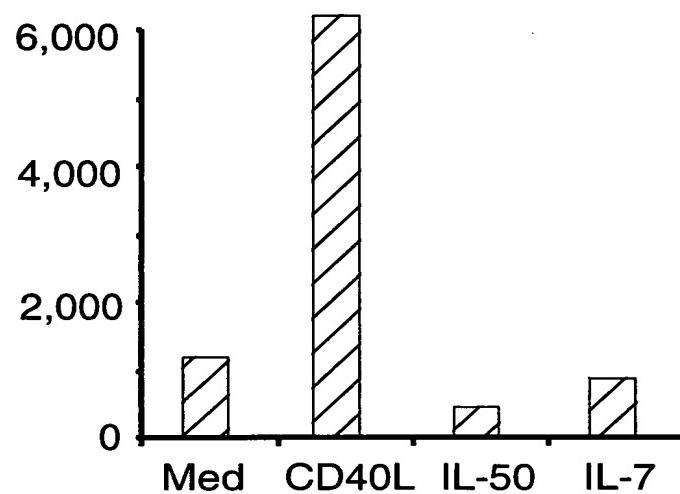


FIG. 9C

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IL-10

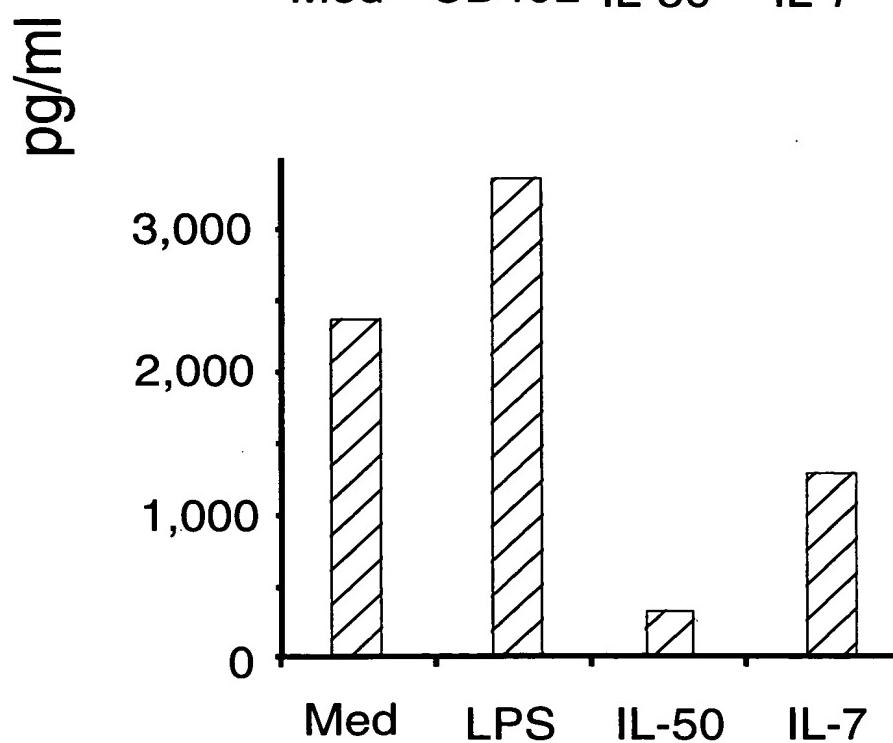
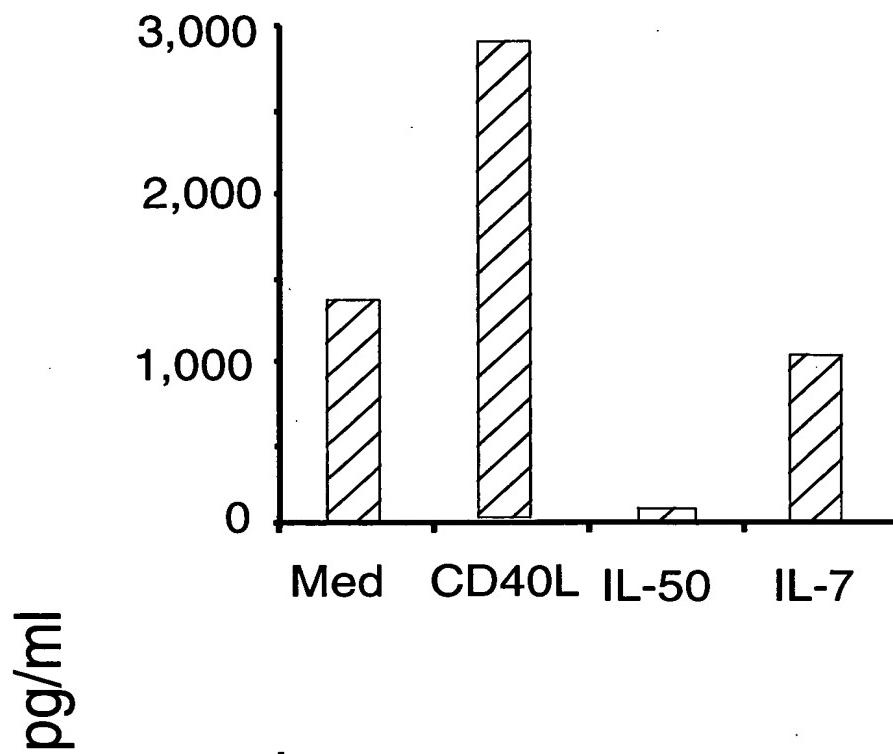


FIG. 9D

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TNF- $\alpha$

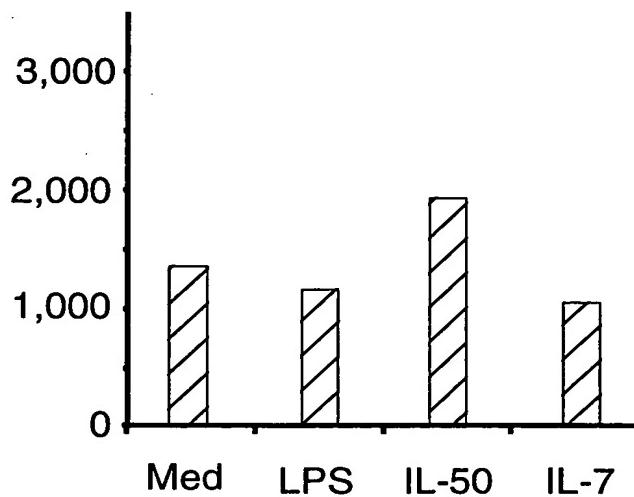
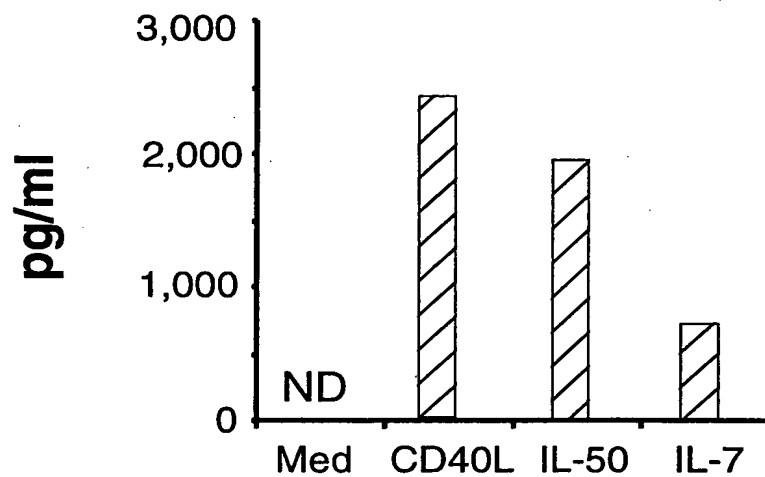
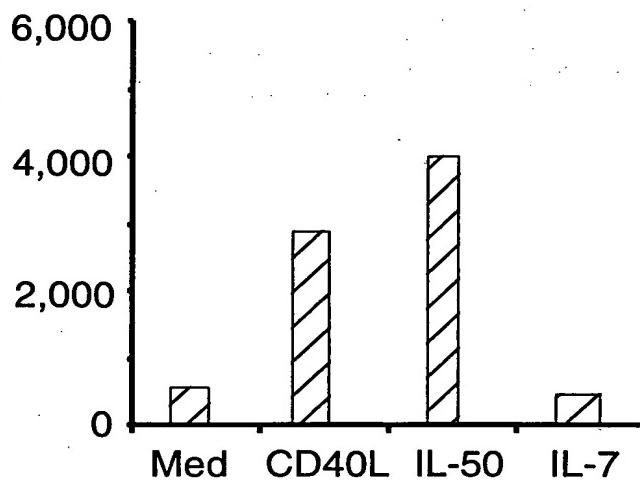


FIG. 9E

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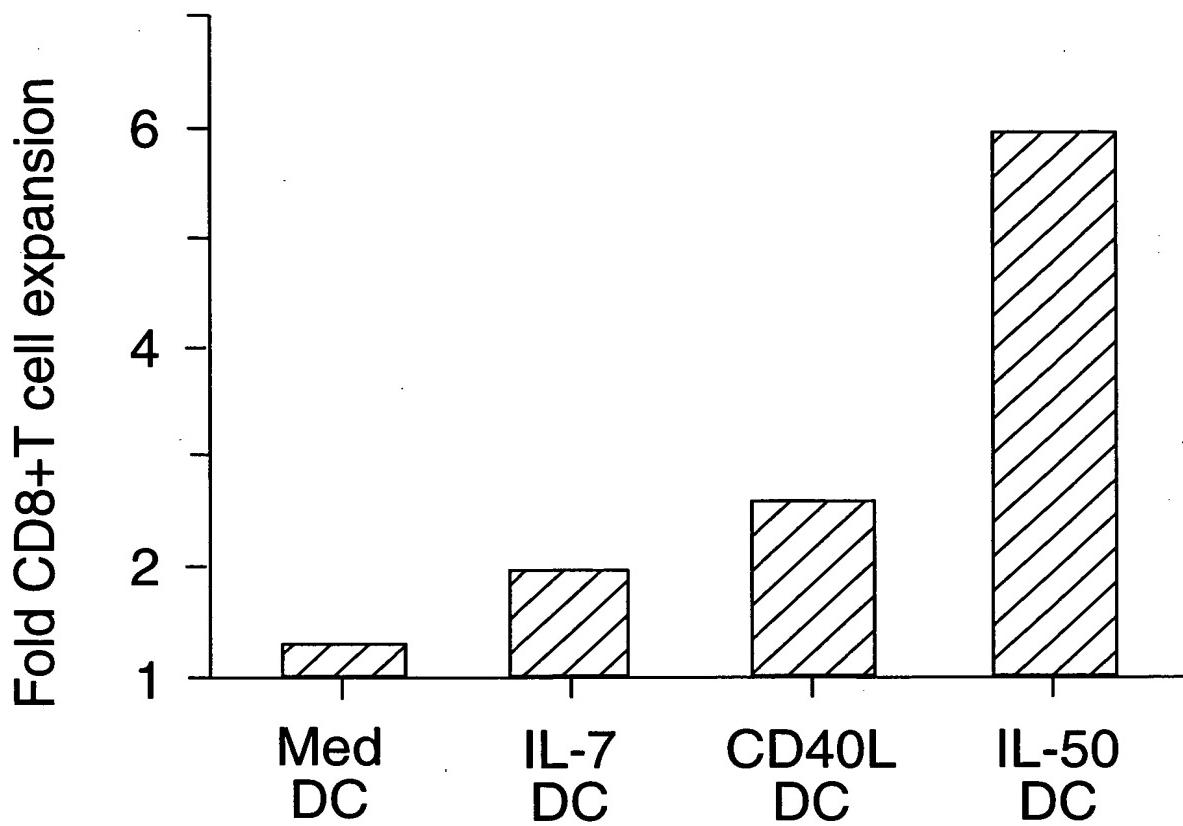


FIG. 10

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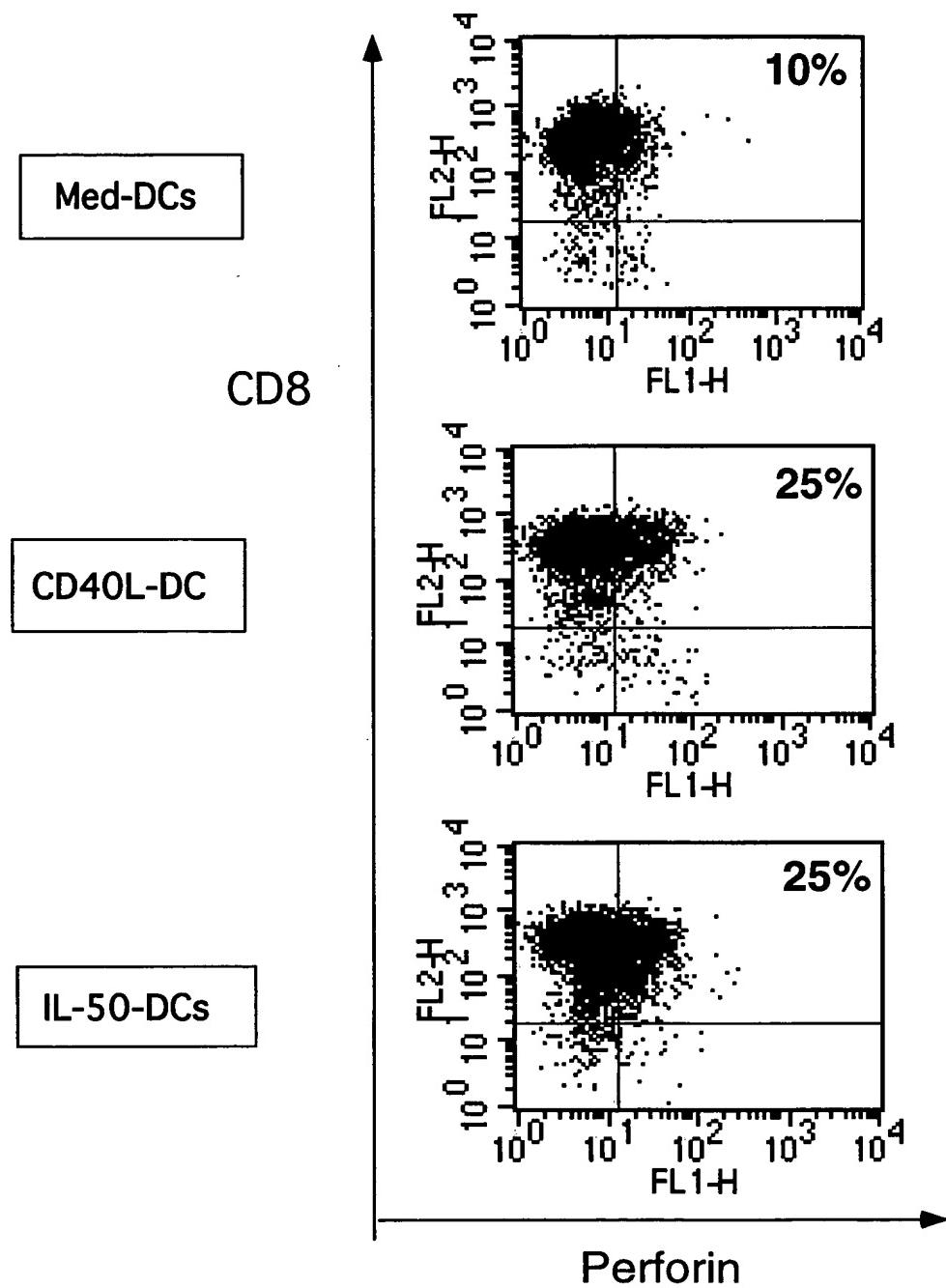


FIG. 11

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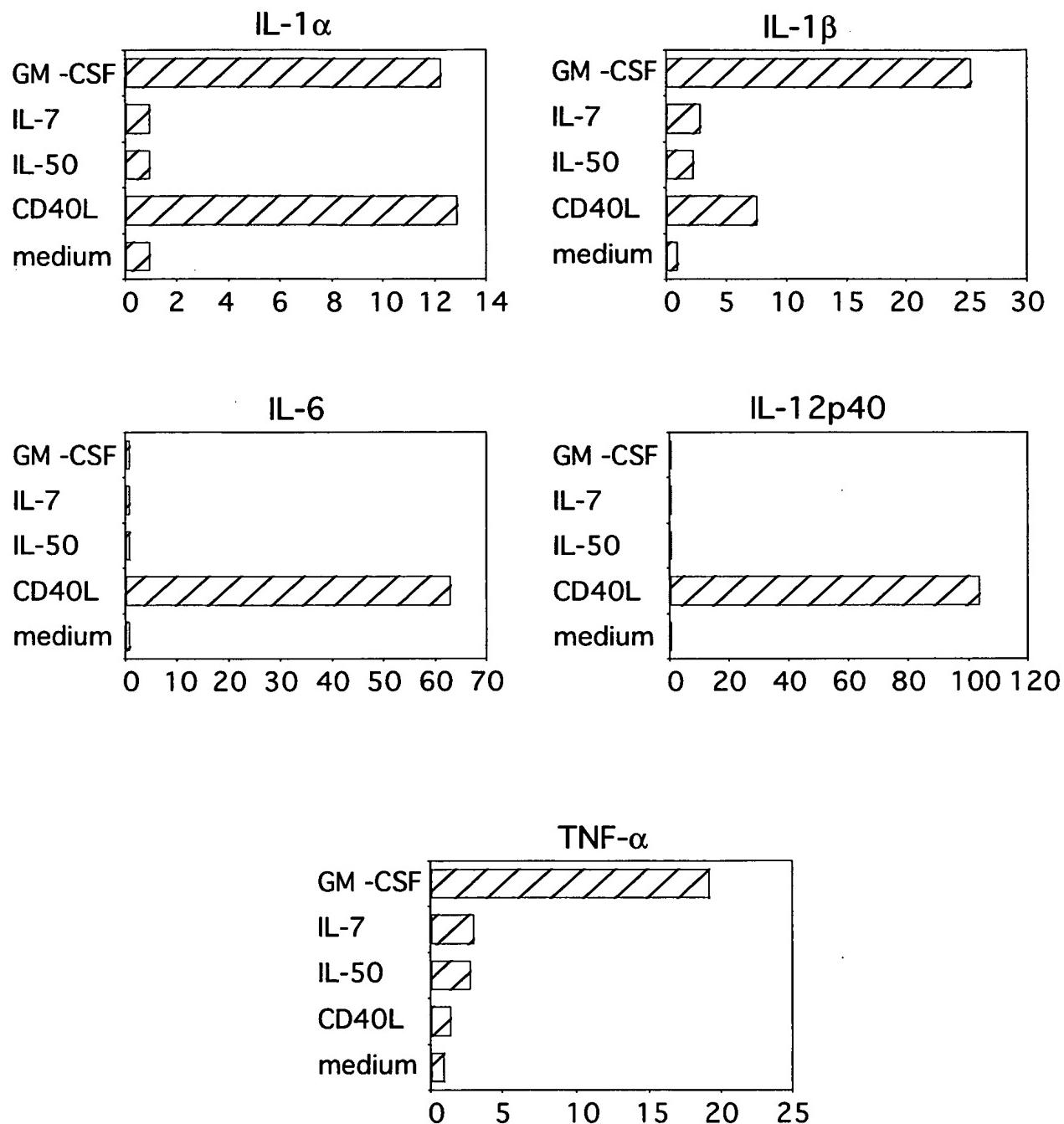
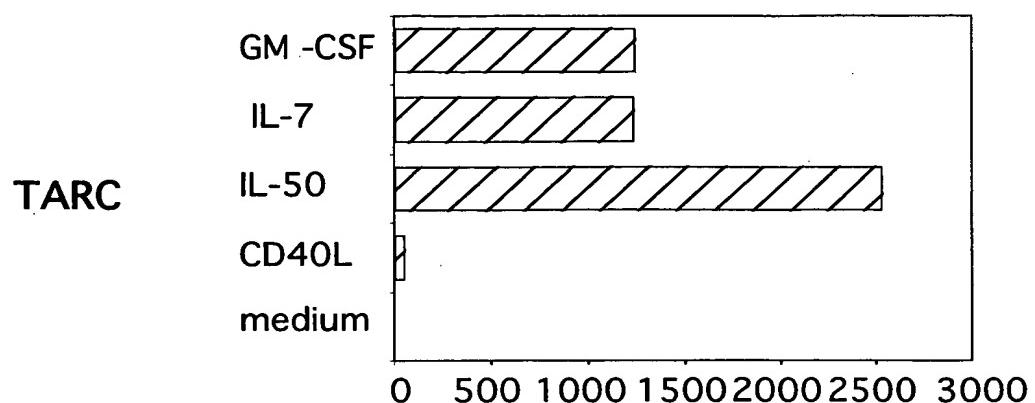


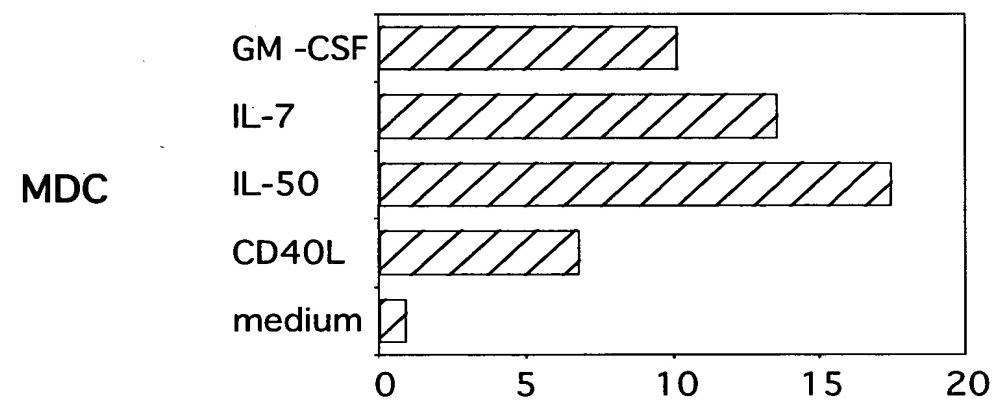
FIG.12A

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Th2



TARC



MDC

DC+Naive

MIP3-beta

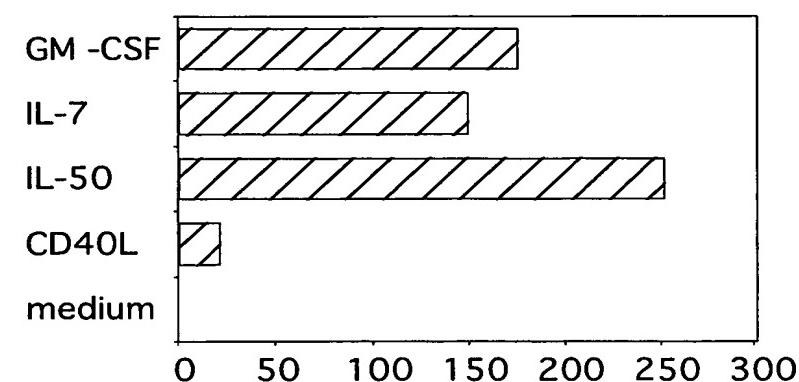
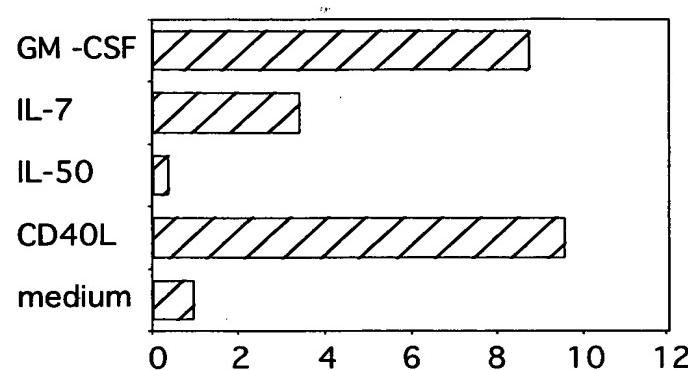


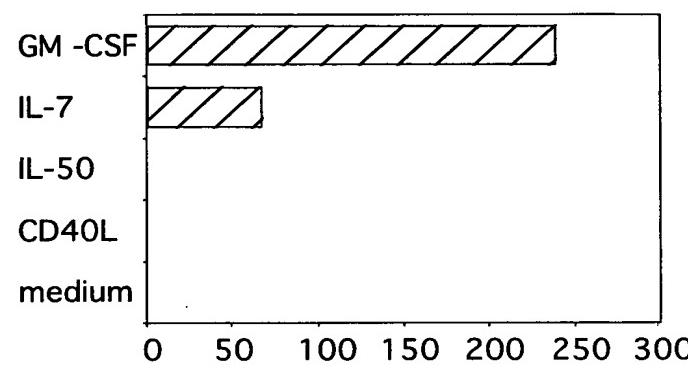
FIG. 12B

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Th2+Th1

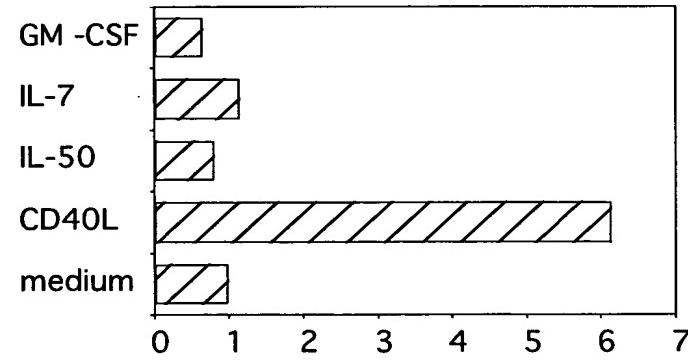


MCP-1



MCP-4

RANTES



Th1

MIG

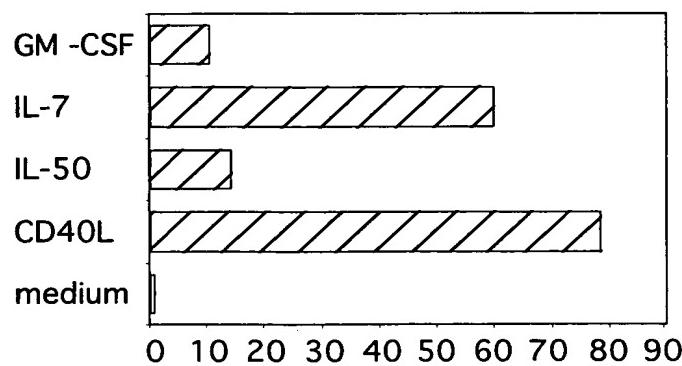


FIG. 12C

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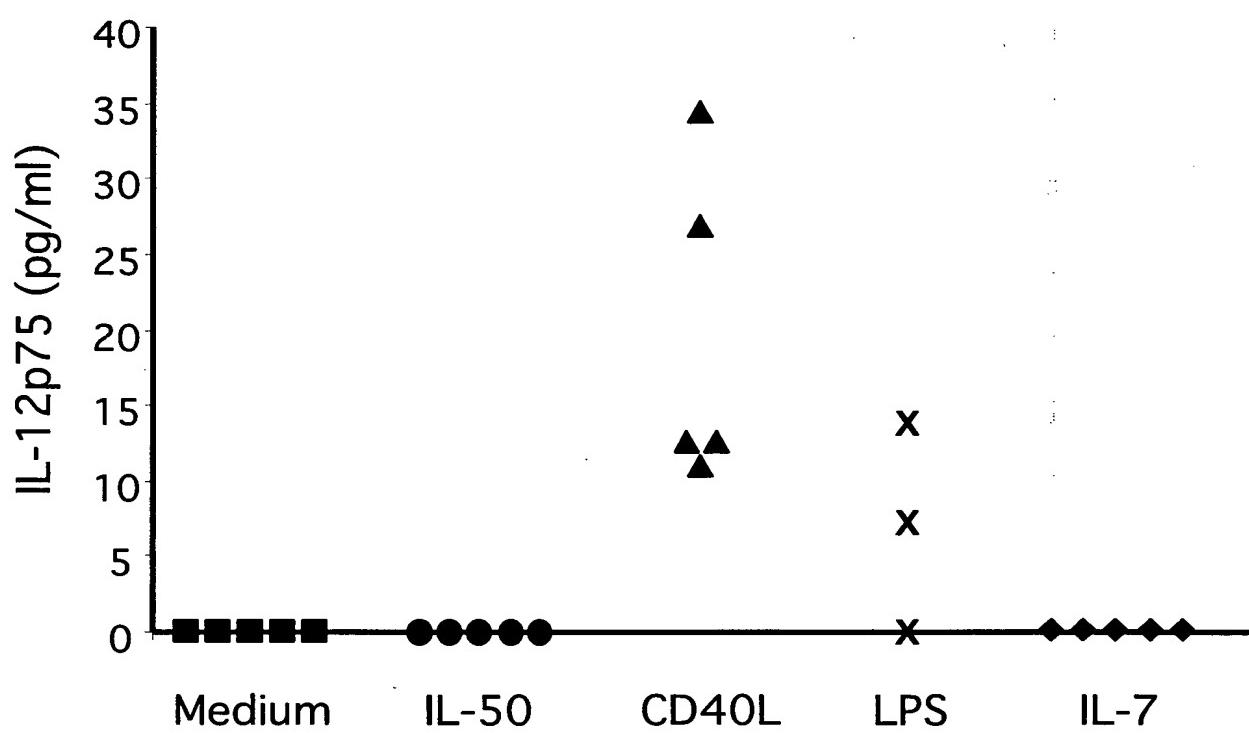


FIG. 13